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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,953	07/07/2003	Masanori Taketsugu	053969-0155	6605

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EXAMINER

REGO, DOMINIC E

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 07/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/612,953

Applicant(s)

TAKETSUGU, MASANORI

Examiner

Dominic E. Rego

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 July 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 14-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Allowable Subject Matter

1. Claims 18 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 18 and 24, the prior art of record fails to teach the wireless access system, wherein the gateway is configured to determine that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station in a case where the communication channel used for the wireless control signal is not the dedicated channel.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 14-17, 20-23, 26 and 27 are rejected under 35 U.S.C. 102(b) as being anticipated by Crosbie (*US Patent Application Publication #20020035699*).

Regarding claim 14, Crosbie teaches a wireless access system, comprising:
a gateway for receiving a wireless control signal (*Figure 1, element 22, a gateway for receiving a wireless control signal from base station 24*) to be transmitted to

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external equipment (*Figure 1, elements 44-1 and 44-2*) located beyond the gateway (*Paragraph 0028, line 27-32*);

a wireless base station for transferring the wireless control signal to the gateway (*Figure 1, a wireless base station 24 for transferring the wireless control signal to the gateway 22*);

a mobile terminal for transmitting the wireless control signal to the wireless base station (*Figure 1, a mobile terminal 28-1 to 28-3 for transmitting the wireless control signal to the wireless base station 24*); and

an access network control station for determining whether or not the mobile terminal is allowed to communicate with the external equipment (*Figure 4, element 72 is an access network control station for determining whether or not the mobile terminal 28-1 to 28-3 is allowed to communicate with the external equipment 44-1 to 44-2 if the device ID 76 and context information 56 match with the mobile terminal; Paragraph 0040*),

wherein the gateway is configured to transfer the wireless control signal to the access network control station in a case where the gateway has determined that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station (*Figure 4, gateway server 22 is configured to transfer the wireless control signal to access network control station 72 for matching, etc. IP address; Paragraph 0040*);

wherein the access network control station is configured to instruct the gateway to allow the mobile terminal to communicate with the external equipment in a case

where the access network control station has determined that the mobile terminal is allowed to communicate with the external equipment (*Figure 4, when the device ID 76 and context information 56 are matched with the mobile terminal, device database 72 which same as access network control station instruct the gateway's processor 70 to allow the mobile terminal 40-1 to 40-3 to communicate with the external equipment*); and

wherein the gateway is configured to transfer the wireless control signal to the external equipment in a case where the gateway has determined that the mobile terminal has been allowed to communicate with the external equipment by the access network control station (*Paragraph 0040*).

Regarding claim 15, Crosbie teaches the wireless access system,

wherein the access network control station is configured to determine whether or not the mobile terminal is allowed to communicate with the external equipment based on communications with the mobile terminal through the wireless base station (*Figure 4, element 72 is an access network control station for determining whether or not the mobile terminal 28-1 to 28-3 is allowed to communicate with the external equipment 44-1 to 44-2 if the device ID 76 and context information 56 match with the mobile terminal through the wireless base station; Paragraph 0040*).

Regarding claims 16 and 22, Crosbie teaches the wireless access system,

wherein the gateway is configured to instruct the wireless base station to establish a dedicated channel between the mobile terminal and the gateway to transfer the wireless control signal to the external equipment after the access network control station instructs the gateway to allow the mobile terminal to communicate with the external equipment (*Paragraph 0040*).

Regarding claims 17 and 23, Crosbie teaches the wireless access system, wherein the gateway is configured to determine whether or not the mobile terminal has been allowed to communicate with the external equipment by the access network control station based on a communication channel used for the wireless control signal (*Figure 4, element 72 is an access network control station for determining whether or not the mobile terminal 28-1 to 28-3 is allowed to communicate with the external equipment 44-1 to 44-2 if the device ID 76 and context information 56 match with the mobile terminal; Paragraph 0040*).

Regarding claim 20, Crosbie teaches a wireless access control method used in a wireless access system (*Figure 1, element 20*), said wireless access system including a mobile terminal (*Figure 1, element 28-3*), a wireless base station (*Figure 1, element 24*), a gateway (*Figure 1, element 22*), and an access network control station (*Figure 4, element 72*), said method comprising:

transmitting, from the mobile terminal to the wireless base station, a wireless control signal to be transmitted to external equipment located beyond the gateway

(Figure 1, a mobile terminal 28-1 to 28-3 for transmitting the wireless control signal to the wireless base station 24),

transferring the wireless control signal from the wireless base station to the gateway *(Figure1, transferring the wireless control signal from the wireless base station 24 to the gateway 22);*

transferring, from the gateway to the access network control station, the wireless control signal in a case where the gateway has determined that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station *(Figure 4, gateway server 22 is configured to transfer the wireless control signal to access network control station 72 for matching, etc. IP address; Paragraph 0040);*

instructing, by the access network control station, the gateway to allow the mobile terminal to communicate with the external equipment in a case where the access network control station has determined that the mobile terminal is allowed to communicate with the external equipment *(Figure 4, when the device ID 76 and context information 56 are matched with the mobile terminal, device database 72 which same as access network control station instruct the gateway's processor 70 to allow the mobile terminal 40-1 to 40-3 to communicate with the external equipment); and*

transferring, by the gateway, the wireless control signal to the external equipment in a case where the gateway has determined that the mobile terminal has been allowed to communicate with the external equipment by the access network control station *(Paragraph 0040).*

Regarding claim 21, Crosbie teaches the wireless access control method, wherein the mobile terminal is allowed to communicate with the external equipment (*Figure 1, mobile terminal 28-1 to 28-3 is allowed to communicate with the external equipment 44-1 to 44-2*) based on communications between the access network control station (*Figure 4, element 72*) and the mobile terminal through the wireless base station (*Figure 1, mobile terminal 28-1 to 28-3 through the wireless base station*).

Regarding claim 26, Crosbie teaches a wireless access control method used in a gateway, said method comprising:

receiving a wireless control signal (*Figure 1, element 22, a gateway for receiving a wireless control signal from base station 24*) to be transmitted to external equipment (*Figure 1, elements 44-1 and 44-2*) located beyond the gateway from a mobile terminal through a wireless base station (*Paragraph 0028, line 27-32*);

transferring the wireless control signal to an access network control station in a case where the gateway has determined that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station (*Figure 4, gateway server 22 is configured to transfer the wireless control signal to access network control station 72 for matching, etc. IP address; Paragraph 0040*); and

transferring the wireless control signal to the external equipment in a case where the wireless access gateway has determined that the mobile terminal has been allowed

to communicate with the external equipment by the access network control station
(Paragraph 0040).

Regarding claim 27, Crosbie teaches a wireless access control method used in an access network control station, said method comprising:

receiving a wireless control signal (*Figure 1, element 22, a gateway for receiving a wireless control signal from base station 24*) to be transmitted to external equipment (*Figure 1, elements 44-1 and 44-2*) located beyond a gateway from a mobile terminal through a wireless base station and a gateway (*Paragraph 0028, line 27-32*); and

instructing the gateway to allow the mobile terminal to communicate with the external equipment in a case where the access network control station has determined that the mobile terminal is allowed to communicate with the external equipment (*Figure 4, when the device ID 76 and context information 56 are matched with the mobile terminal, device database 72 which same as access network control station instruct the gateway's processor 70 to allow the mobile terminal 40-1 to 40-3 to communicate with the external equipment*).

Response to Arguments

3. Applicant's arguments with respect to claim 14-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dominic E. Rego whose telephone number is 571-272-8132. The examiner can normally be reached on Monday-Friday, 8:30 am-5 pm.

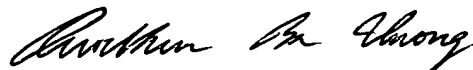
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Dominic E. Rego

 7/24/06

QUOCHIEN B. VUONG
PRIMARY EXAMINER